

Rabbit CELA3B/ELA3B Monoclonal Antibody | anti-CELA3B antibody

CELA3B/ELA3B (Pancreatic Function Marker)

CATALOG # AAA214740	HOST Rabbit	REACTIVITY Human. Others not known.	APPLICATIONS Immunohistochemistry
-------------------------------	-----------------------	---	---

PRODUCT SYNONYMS

CELA3B/ELA3B; Monoclonal Antibody; CELA3B/ELA3B (Pancreatic Function Marker); Chymotrypsin like elastase family member 3B (CELA3B); ELA3B; Elastase IIIB; Protease E; anti-CELA3B antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human. Others not known.
Clonality	Monoclonal
Isotype	IgG
Clone Number	CELA3B/2809R
Specificity	This MAb recognizes a protein of ~30kDa, identified as CELA3B (Chymotrypsin like elastase family member 3B). Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3B has little elastolytic activity. Like most of the human elastases, elastase 3B is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein; it has a digestive function in the intestine. Elastase 3B preferentially cleaves proteins after alanine residues. Elastase 3B may also function in the intestinal transport and metabolism of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1, and excretion of this protein in fecal material is frequently used as a measure of pancreatic function.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Sequence Length	270
Applicable Applications for anti-CELA3B antibody	IHC (Immunohistochemistry)
Immunogen	Recombinant human CELA3B protein fragment (around aa 82-238) (exact sequence is proprietary)
Positive Control	Panc-28 or PANC1 Cells. Pancreas
Cellular Localization	Cytoplasmic
Chromosome Location	1p36.12
Preparation and Storage	Antibody with azide - store at 2 to 8 degree C. Antibody without azide - store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

IMAGES



SDS-PAGE
SDS-PAGE Analysis of Purified CELA3B Rabbit Recombinant Monoclonal Antibody (CELA3B/2809R). Confirmation of Purity and Integrity of Antibody.



IHC (Immunohistochemistry)
Formalin-fixed, paraffin-embedded human Pancreas stained with CELA3B Rabbit Recombinant Monoclonal Antibody (CELA3B/2809R).

ADDITIONAL INFORMATION

Related Product Information for anti-CELA3B antibody	Recombinant Rabbit Monoclonal Antibody
References	Shimada, S., et al. 2002. Int. J. Mol. Med. 10: 599-603.; Tani, T., et al. 1988. J. Biol. Chem. 263: 1231-1239.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6679625
NCBI GeneID	23436
NCBI Accession #	NP_031378.1
NCBI GenBank Nucleotide #	NM_007352.3
UniProt Accession #	P08861; P11423; Q5VU28; Q5VU29; Q5VU30; B2RE44
Molecular Weight	~17kDa
NCBI Official Full Name	chymotrypsin-like elastase family member 3B preproprotein
NCBI Official Synonym Full Names	chymotrypsin like elastase family member 3B
NCBI Official Symbol	CELA3B
NCBI Official Synonym Symbols	CBPP; ELA3B
NCBI Protein Information	chymotrypsin-like elastase family member 3B
UniProt Protein Name	Chymotrypsin-like elastase family member 3B
UniProt Gene Name	CELA3B
UniProt Synonym Gene Names	ELA3B

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.